Norfolk District, U.S. Army Corps of Engineers

Presentation to Governor McAuliffe

July 8th, 2015

Paul B. Olsen, P.E.
Colonel, U.S. Army
Commanding

US Army Corps of Engineers
BUILDING STRONG®

Three Levels of Effort

I. Tactical - Deliver the Program ($680 Million)
- Construction Program (Military, Civil Works, Other Gov't Agencies
- Regulatory Program

II. Operational - Port Modernization
- 55' + Southern Branch Deepening
- Craney Island Eastern Expansion (CIEE)
- Post Panamex Dredging

III. Strategic - Sea Level Rise and Climate Change (SLR/CC)
- North Atlantic Coast Comprehensive Study (NACCS)
- Whole of Government approach to SLR/CC
- Projects/Studies (Norfolk Comprehensive)

Tactical: Deliver the Program
"You May Have Heard of…"

Fort Belvoir Community Hospital

TRADOC Headquarters

Fort Picket Training Brigade

Langley Hospital Addition

Asymmetric Warfare Group Training Complex Fort A.P. Hill

Rivanna's Joint Use Intel Facilit

ANC's Columbarium 9

Our Award Winning DFACs

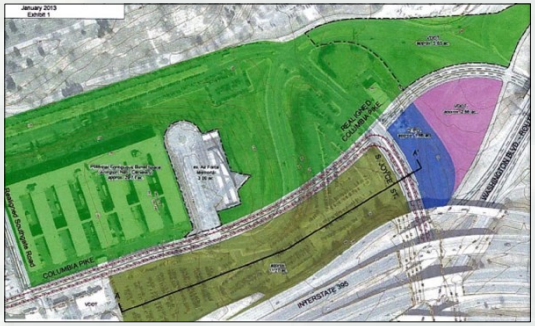
New and Modernized Barracks at Forts Eustis and Lee

“You will soon see…”

Flight Concepts Division Hanger at Fort Eustis

Millennium Expansion at Arlington National Cem

Clean Power Plant for Radford AAP



Southern Expansion at Arlington National Cemetery

NASA

$40M - $120M worth of facilities For NASA Langley Research Center

$34M Lynnhaven Tributary Restoration

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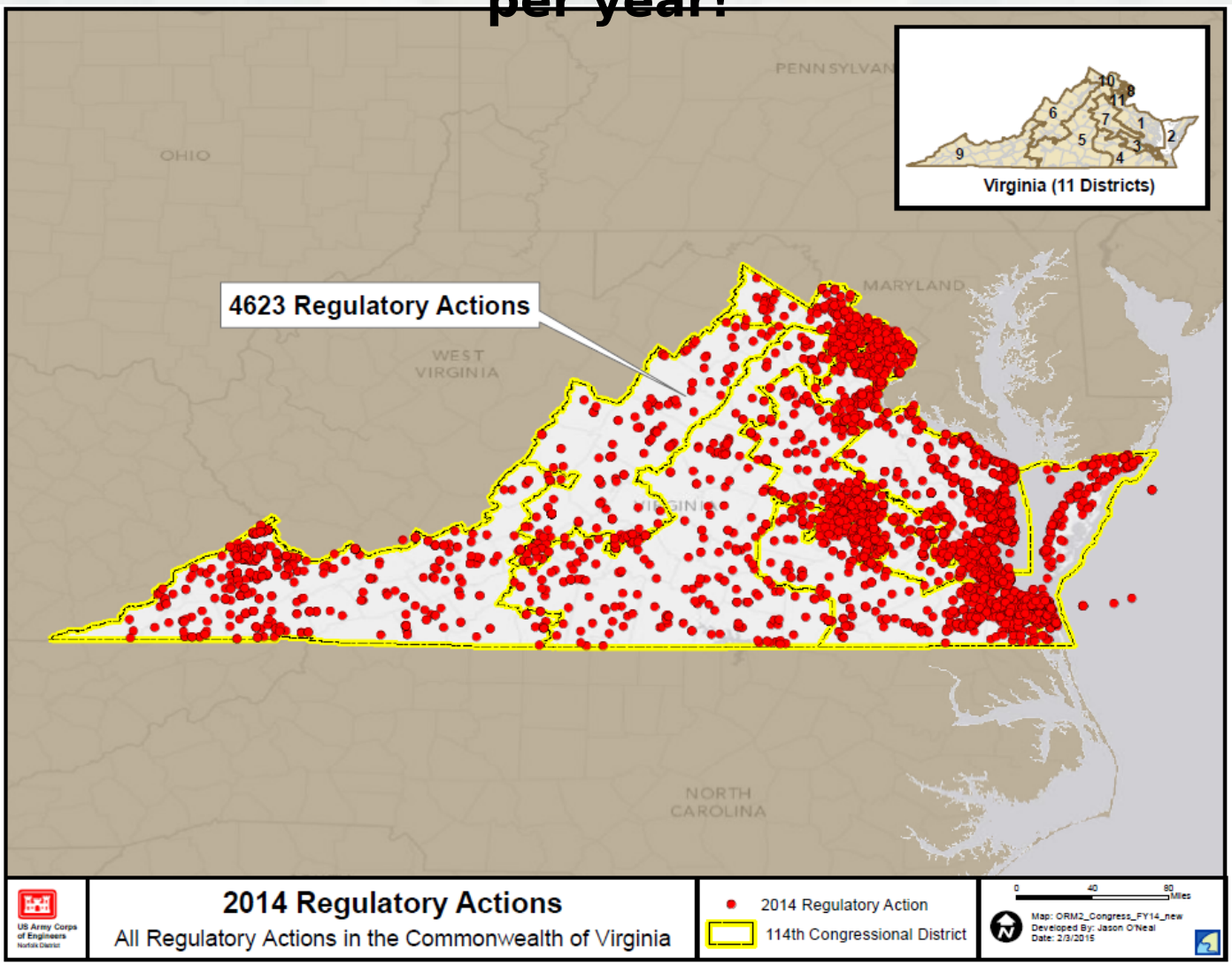
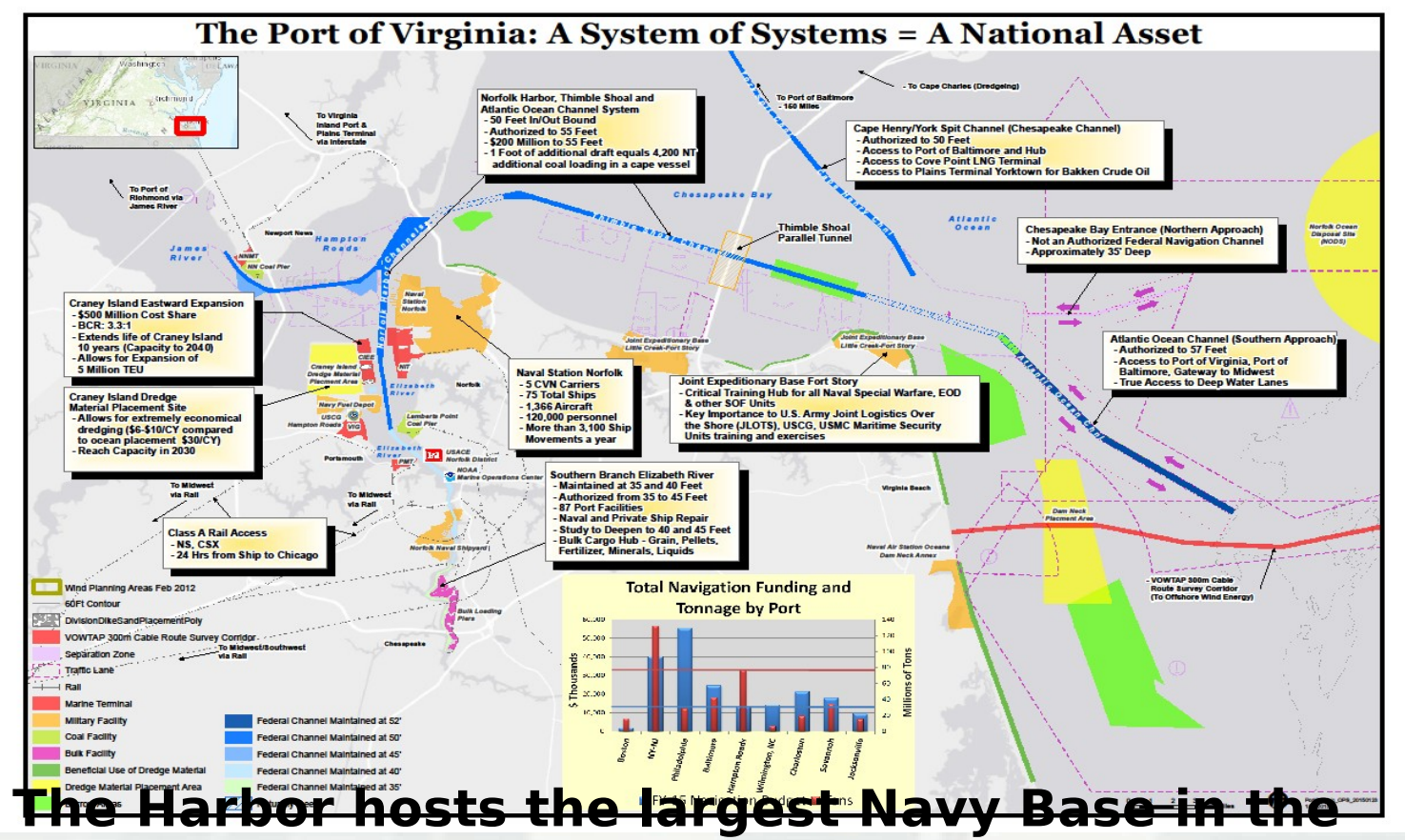
Tactical: Deliver the Program

Our Regulatory Program averages about 4000-5000 actions per year!



Operational: Port Modernization

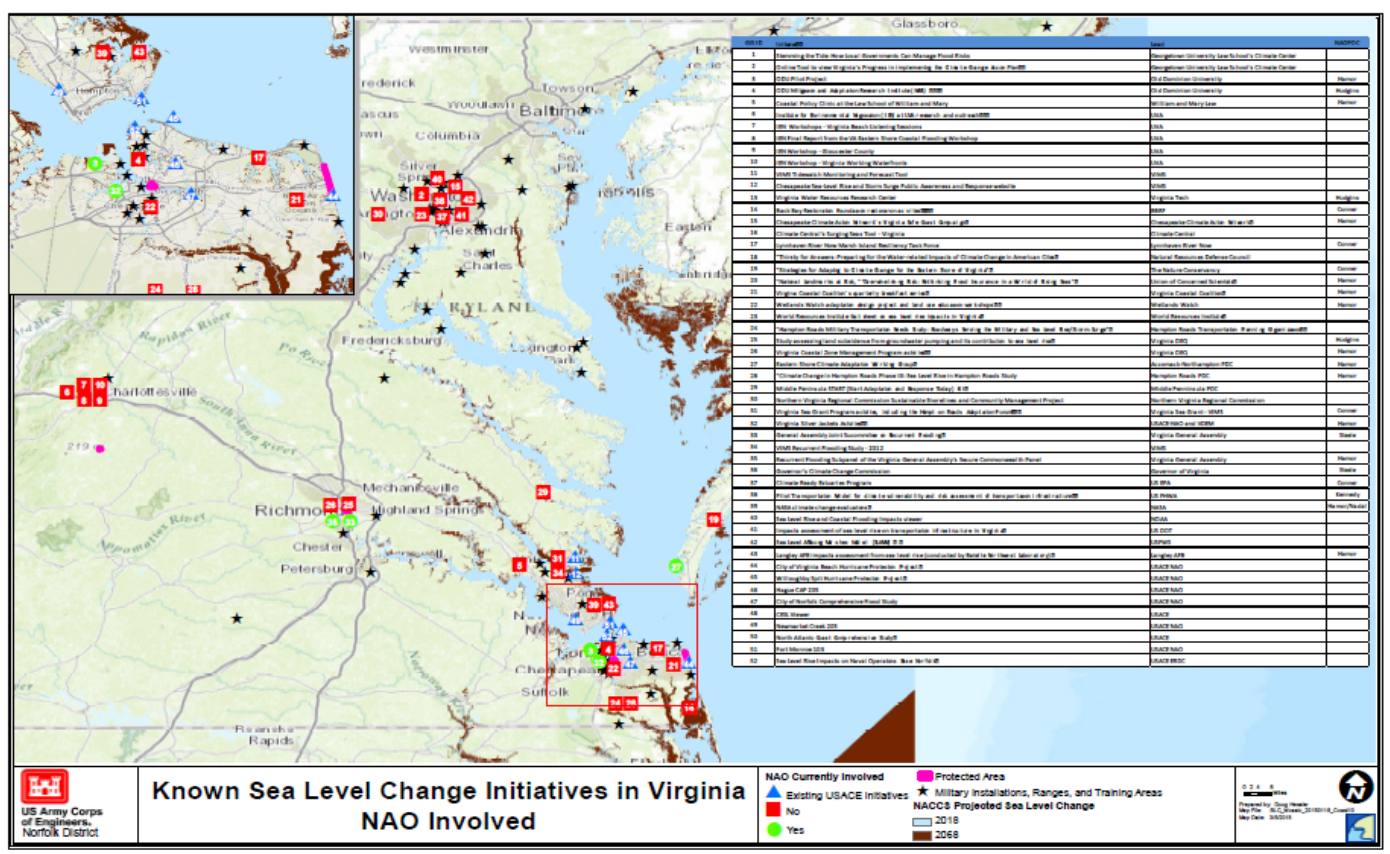
The top priority for the District is to get the Federal Channel to 55’



The Harbor hosts the largest Navy Base in the World as well as being the Port of Choice for the Post Panamex Vessels. This is a sample of the complexity of the District’s efforts for a 55’ channel.

Strategic: Sea Level Rise (SLR)

Sea Level Rise and Climate Change are important because Hampton Roads has twice the relative sea level rise of any other East Coast Location



This demonstrates the complexity of the problem and the number of efforts ongoing to counter this clear and present challenge

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Holland Island, Tangier Island, Hampton Roads

Holland Island

This last house shown collapsed in 2010

Tangier Island

Hampton Roads

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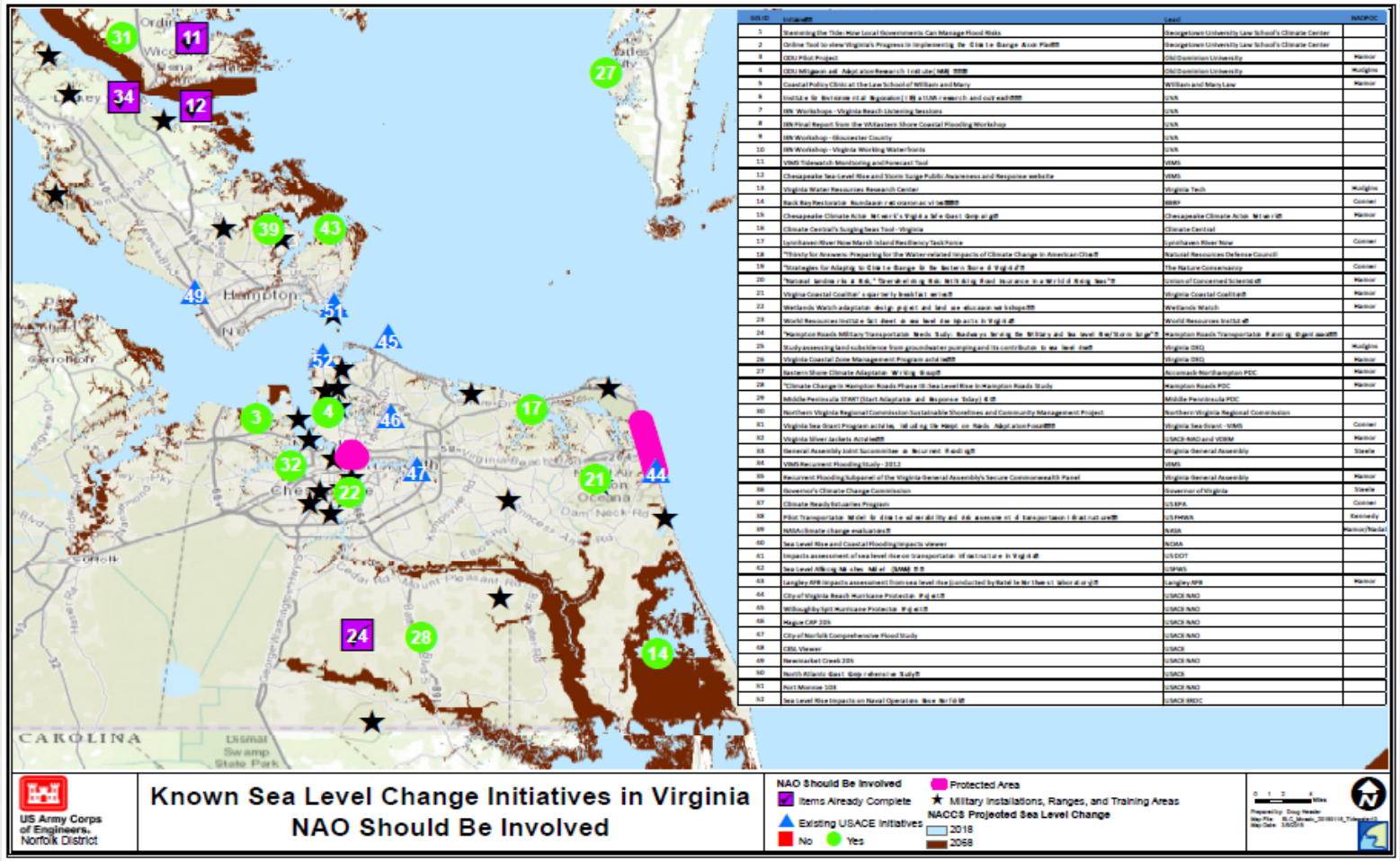
Strategic: Sea Level Rise (SLR)



A detailed view illustrates where the efforts are bringing solutions and where studies need to be done using the NACCS as a framework

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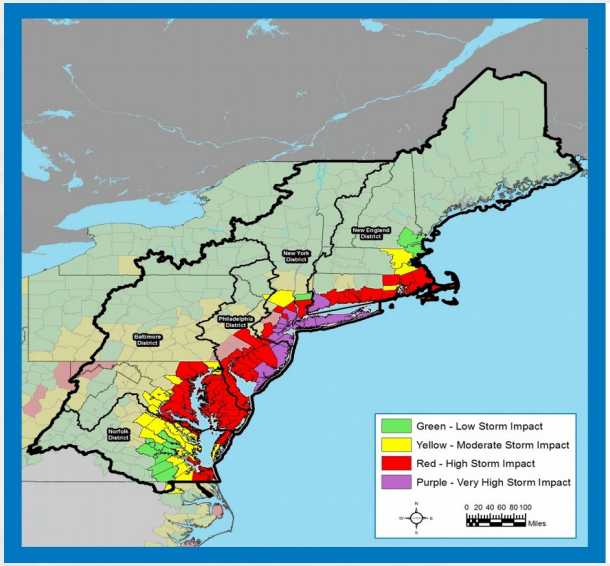
North Atlantic Coastal Comprehensive Study (NACCS)

"That using up to $20,000,000* of the funds provided herein, the Secretary shall conduct a comprehensive study to address the flood risks of vulnerable coastal populations in areas that were affected by Hurricane Sandy within the boundaries of the North Atlantic Division of the Corps …." (*19M after sequestration)

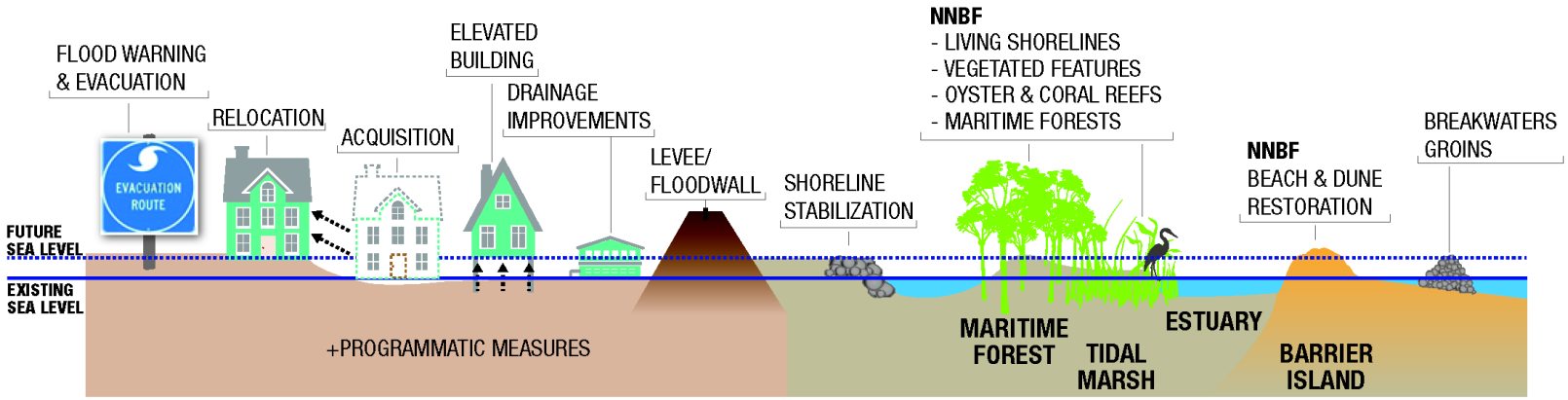


www.nad.usace.army.mil/CompStudy

Goals

- Provides a **Risk Management Framework – not a plan**
- Supports **Resilient Coastal Communities** and robust, sustainable coastal landscape systems
- **Considers future sea level rise scenarios**, to reduce risk to vulnerable population, property, ecosystems, and infrastructure
- Whole of Government Approach

NACCS Describes a Full Spectrum of Projects



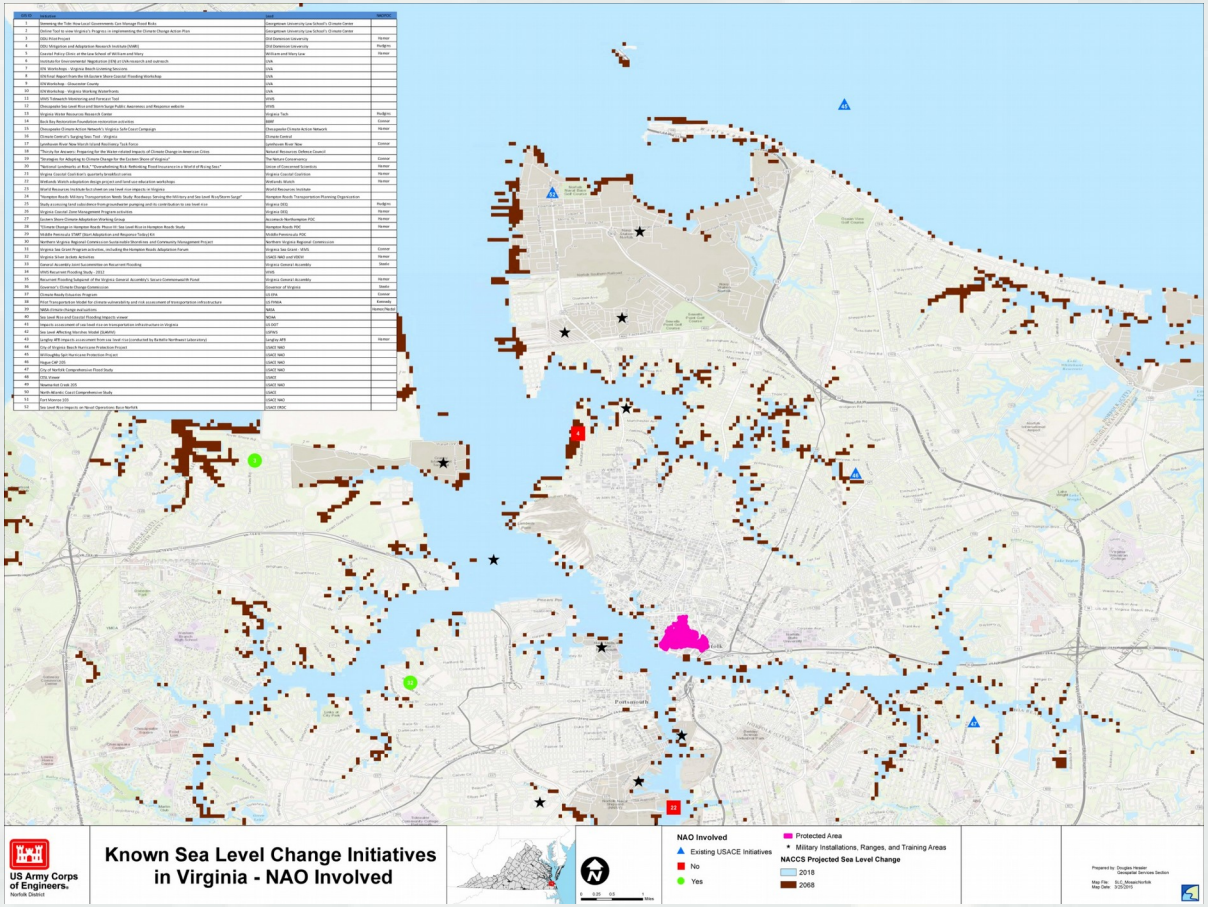
The NACCS Identified Norfolk

NACCS Identified nine focus areas

Three studies were funded for FY16 – one being Norfolk

Norfolk is ready to cost share the study

The Norfolk Study will Authorize “Projects”



Authorized Projects Await Congressional Appropriations and Non Federal Cost Share

Funded Projects are Constructed

Sandbridge Project
Virginia Beach

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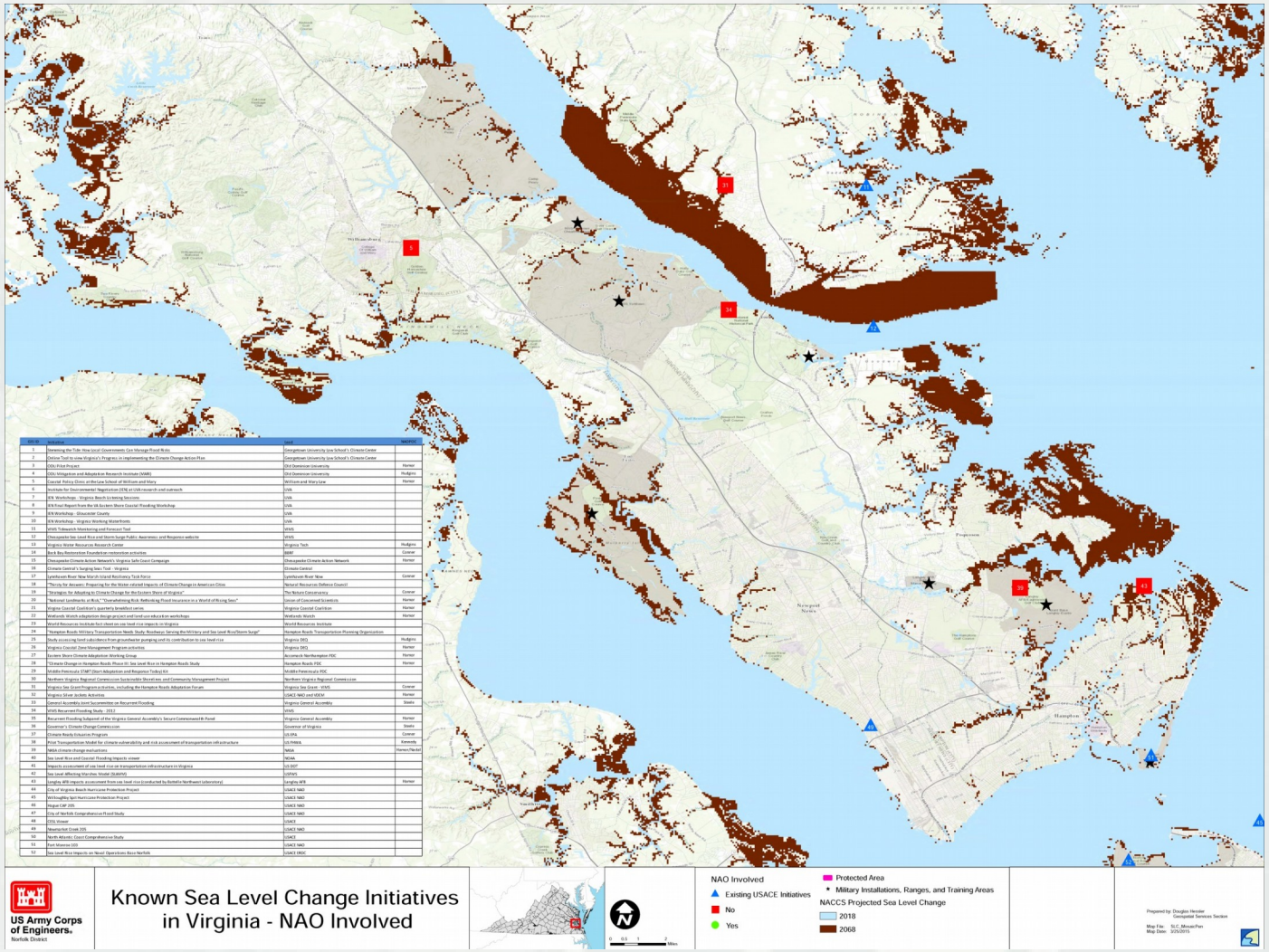
“The sea level rise fight starts right here, right now.”
April 10, 2015

Willoughby Spit

Our Future?

A Requirement for Leadership

Our Future?



A Geophysical Approach

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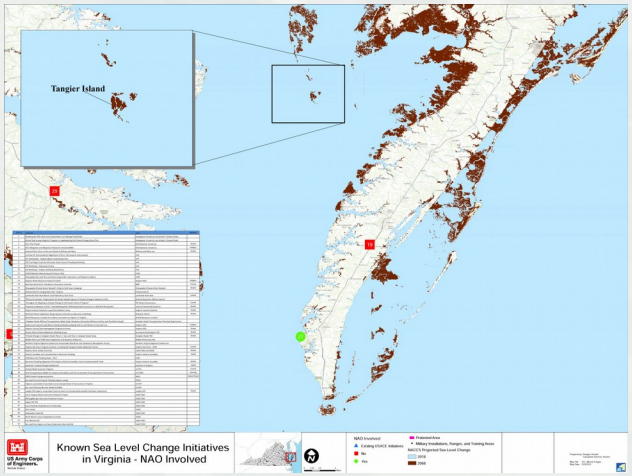
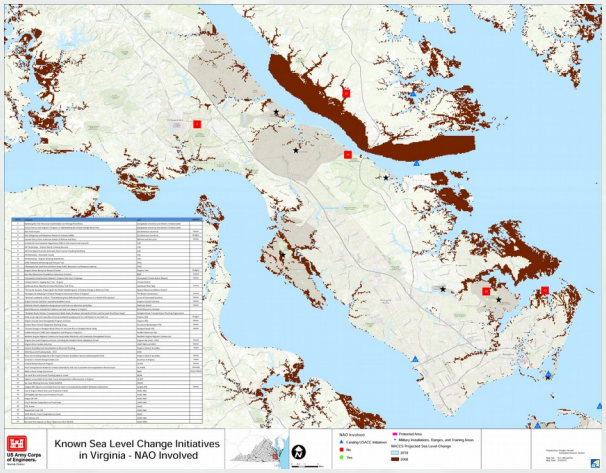
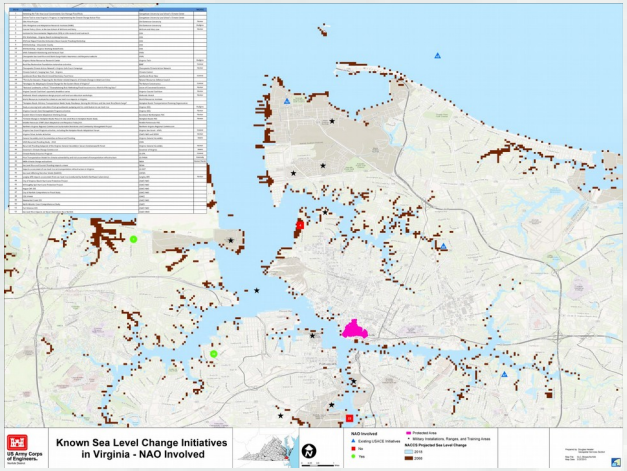
Our Future?







1. Identify Geophysical Regions
2. Prioritize Regions
3. Budget for Study Cost Share ($1.5M ea)
4. Budget for Projects (Studies and Constructi
5. Metrics and Milestones

A Strategic Campaign Plan

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Our Future?

A Spirit of Partnership

We Are Norfolk District
380 Dedicated Federal

At Your Service – Ready for your Questions

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